DETECTOR FRAMING NODE ARCHITECTURE TO COMMUNICATE IMAGE DATA

ABSTRACT OF THE DISCLOSURE

A detector framing node controls generation of radiation and radioscopic image detection. Radioscopic image data is acquired and communicated independently of a host computer operating system. The detector framing node controls events in real time according to an event instruction sequence and receives the image data by way of an image detection interface into a memory unit. The image data is output from the memory unit to host memory of the host computer through a computer communication interface and under the control of a control unit. The detector framing node selects a flat panel detector from a plurality of different flat panel detectors and the image data is selectively reordered according to parameters of the selected flat panel detector before communication to host memory.